PIPELINE DESIGN PROCEDURE

Information to collect

1) Type of Livestock _____
2) Number of Livestock _____
3) Water needed: gal / day / head: ☐(1.5) ☐(12) ☐(25) ☐(_____) **Check one**

   Compute Minimum Flow Rate (item 2 x item 3) ÷ (60 x 8*) = _____ gal / min
4) Grazing months: From _____ To _____
5) Type of stock tank shut off: ☐(Manual) ☐(Float) **Check one**
6) Stock tank Size: _____ gal
7) Sketch possible pipeline route on plan map or USGS topographic map.
8) Utilities Present ☐(Yes) ☐(No) **Check one**
9) Existing Pressure Tank: ☐(Yes) ☐(No) **Check one**

   Size _____ Gal

   On Pressure _____ PSI

   Off Pressure _____ PSI
10) Other information if new well will be constructed, a new pressure tank is installed, or expansion of herd is planned.

    Pump capacity: _____ Gal / Min

    Other uses of the well:

    household: _____ (35-50 gal/day/person)

    farm: _____

    milkhouse: _____

    other: _____

    Total Gal/Day: _____

    Source of Information

    Landowner

    AWMFH

    Missouri Livestock Watering Systems Handbook

    Midwest Plan Service MWPS-14

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*8 hours used for calculation. Assumption is that cattle will place peak demand during these hours. Actual hours range between 8 and 12.